

**EXAMINER'S AMENDMENT**

1. There was a typographical error identifying the changes to claim 1 in the previous examiner's amendment. The previous amendment is vacated in favor of the amendment in this office action.
2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Robert Madsen on 8/2/10.

The application has been amended as follows:

In claim 1, part (a) the language "of the one or more cows" was deleted from the last line of part (a).

In claim 1, part (b), section (i), the words "the presence of" were deleted and ---being homozygous for--- was inserted therefor.

In claim 1, part(b), section (ii), the phrase ---being homozygous for--- was inserted after the phrase "based on" and before "the DNA".

Claim 6 was cancelled.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Juliet C Switzer whose telephone number is (571) 272-0753. The examiner can normally be reached on Monday or Tuesday from 8:30 AM until 5:00 PM, or on Wednesday from 8:00 AM until 1:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Nguyen can be reached by calling (571) 272-0731.

The fax phone numbers for the organization where this application or proceeding is assigned are (571) 273-8300. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571)272-0507.

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For all other customer support, please call the USPTO Call Center (UCC) at 800-786-9199.

/Juliet C. Switzer/  
Primary Examiner  
Art Unit 1634

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